PH201 Postlab: Work and Power LBCC

Answer these questions while being in lab. You want to finish your lab while being in lab!

1. What is the average Power expended when you run or walk up the stairs of Madrone Hall?

2. What is the gravitational potential energy difference between you standing at the bottom of the stair and you being at the top of the stairs?

3. What is your average kinetic energy while running up the stairs?

4. You might have heard that energy is conserved. This will be a very useful tool to solve physics problems. Compare the results of questions 2 and question 3:

a. Is your energy conserved?

b. Discuss your answer of part a. Why or why not?